

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07K/08 C12N15/12 A61K38/10 A61P31/00		
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07K C12N A61K		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the International search (name of data base and, where practical, search terms used) BIOSIS, EPO-Internal, SEQUENCE SEARCH, CHEM ABS Data, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	ZHANG LIJUAN ET AL: "Interaction of polyphemusin I and structural analogs with bacterial membranes, lipopolysaccharide, and lipid monolayers." BIOCHEMISTRY, vol. 39, no. 47, 3 November 2000 (2000-11-03), pages 14504-14514, XP002203523 ISSN: 0006-2960 page 14512, left-hand column, paragraph 3; figure 1; table 1 page 14513, left-hand column, paragraph 2 -right-hand column, paragraph 1	1-5, 8-18, 27-30
A	WO 95 10534 A (WAKI MICHINORI ;MATSUMOTO AKIYOSHI (JP); SEIKAGAKU KOGYO CO LTD (J) 20 April 1995 (1995-04-20) claims; examples	19-21
-/-		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "Z" document member of the same patent family		
Date of the actual completion of the international search  26 June 2002		Date of mailing of the international search report  11/07/2002
Name and mailing address of the ISA European Patent Office, P.B. 5618 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fac (+31-70) 340-3016		Authorized officer  Fuhr, C

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 563 844 A (SEIKAGAKU KOGYO CO LTD) 6 October 1993 (1993-10-06) claims; examples	22-24

**Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)**

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:  
Although claims 8-35 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☒ Claims Nos.: 36  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

**Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)**

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

**Remark on Protest**

- ☐ The additional search fees were accompanied by the applicant's protest.  
☐ No protest accompanied the payment of additional search fees.

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 36

Present claim 36 relates to a compound defined by reference to a desirable characteristic or property, namely made of two antiparallel beta strands and comprising a beta hairpin loop and having antimicrobial activity.

The claim covers all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claim so lacks support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claim also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, no search has been carried out for the subject matter of claim 36.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9510534	A	20-04-1995	AT 177114 T	15-03-1999
			AU 682405 B2	02-10-1997
			AU 7862894 A	04-05-1995
			CA 2151283 A1	20-04-1995
			CN 1116427 A ,B	07-02-1996
			CZ 9501533 A3	13-12-1995
			DE 69416824 D1	08-04-1999
			DE 69416824 T2	08-07-1999
			EP 0677061 A1	18-10-1995
			FI 952900 A	13-06-1995
			HU 72974 A2	28-06-1996
			WO 9510534 A1	20-04-1995
			JP 8504837 T	28-05-1996
			KR 208873 B1	15-07-1999
			NO 952321 A	09-08-1995
			NZ 274560 A	25-03-1998
			RU 2136696 C1	10-09-1999
			US 5776899 A	07-07-1998
			ZA 9408005 A	06-02-1996
EP 0563844	A	06-10-1993	JP 5271096 A	19-10-1993
			DE 69323568 D1	01-04-1999
			DE 69323568 T2	07-10-1999
			EP 0563844 A1	06-10-1993
			US 5610139 A	11-03-1997